Renumbered

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application

Listing of Claims:

1-53. (Canceled)

1
54. (Currently amended) A fusion protein comprising an antigen of an influenza virus~~, or an antigenic portion thereof,~~ and a stress protein, ~~or a portion thereof,~~ wherein the antigen of the influenza virus is nucleoprotein, neuraminidase, M1, M2, PB1, PB2, or PA, the stress protein is an Hsp100-200, an Hsp100, an Hsp90, Lon, an Hsp70, an Hsp60, TF55, an Hsp40, an FKBP, a cyclophilin, an Hsp20-30, ClpP, GrpE, Hsp10, ubiquitin, calnexin, or a protein disulfide isomerase, and the fusion protein induces an immune response against the antigen in a mammal to whom the fusion protein is administered.

55-56. (Canceled)

2 1
57. (Previously presented) The fusion protein of claim 54, wherein the antigen of the influenza virus is nucleoprotein.

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58. (Currently amended) ~~The fusion protein of claim 54, wherein the fusion protein is~~ A fusion protein comprising an amino acid sequence encoded by plasmid pET65MP/NP-B or plasmid pET65MP/NP-D.

3 1
59. (Previously presented) The fusion protein of claim 54, wherein the antigen includes a CTL epitope.

60. (Canceled)

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61. (Currently amended) A fusion protein comprising an antigen of an influenza virus~~, or an antigenic portion thereof,~~ and a bacterial stress protein, ~~or a portion thereof,~~ wherein the antigen of the influenza virus is nucleoprotein, neuraminidase, M1, M2, PB1, PB2, or PA and the fusion protein ~~induced~~ induces an immune response against the antigen in a mammal to whom the fusion protein is administered.

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62. (Previously presented) The fusion protein of claim 61, wherein the bacterial stress protein is a mycobacterial stress protein.

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63. (Previously presented) A composition comprising the fusion protein of claim 54 and a pharmaceutically acceptable excipient, carrier, diluent, or vehicle.

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64. (Previously presented) A method of inducing an immune response against an antigen of an influenza virus, the method comprising administering the fusion protein of claim 54 to a vertebrate in an amount effective to induce an immune response against the antigen.

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65. (Previously presented) The method of claim 64, wherein the fusion protein is administered in combination with a pharmaceutically acceptable excipient, carrier, diluent, or vehicle.

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66. (Previously presented) A method of inducing an immune response against an antigen of the influenza virus, the method comprising administering the fusion protein of claim 58 to a vertebrate in an amount effective to induce an immune response against the antigen.

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67. (Previously presented) The method of claim 66, wherein the fusion protein is administered in combination with a pharmaceutically acceptable excipient, carrier, diluent, or vehicle.

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68. (Previously presented) The fusion protein of claim 54, wherein the immune response is a cell mediated immune response.

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~~69~~. (Previously presented) The fusion protein of claim 68, wherein the cell mediated immune response is a cell mediated cytolytic immune response.

70-87. (Canceled)

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~~88~~. (Previously presented) The fusion protein of claim 68, wherein the cell mediated immune response is a class I-restricted T cell response.

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~~89~~. (Previously presented) The fusion protein of claim 68, wherein the cell mediated immune response is a class II-restricted T cell response.

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~~90~~. (Previously presented) The fusion protein of claim 59, wherein the CTL epitope is a class I-restricted T cell epitope.

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~~91~~. (Previously presented) The fusion protein of claim 59, wherein the CTL epitope is a class II-restricted T cell epitope.

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~~92~~. (Previously presented) The fusion protein of claim 62, wherein the stress protein is hsp65.

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~~93~~. (Previously presented) The fusion protein of claim 62, wherein the stress protein is hsp71.

94. (Canceled)

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~~95~~. (Previously presented) The method of claim 64, wherein the immune response is a cell mediated immune response.

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~~96~~. (Previously presented) The method of claim 95, wherein the cell mediated immune response is a cell mediated cytolytic immune response.

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97. (Previously presented) The method of claim 95, wherein the cell mediated immune response is a class I-restricted T cell response.

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98. (Previously presented) The method of claim 95, wherein the cell mediated immune response is a class II-restricted T cell response.

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99. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a mammalian stress protein.

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100. (Previously presented) The fusion protein of claim 99, wherein the mammalian stress protein is a human stress protein.

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101. (Previously presented) The fusion protein of claim 61, wherein the bacterial stress protein is an enterobacterial stress protein.

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102. (Previously presented) The fusion protein of claim 61, wherein the bacterial stress protein is an *E. coli* stress protein.

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103. (Previously presented) The fusion protein of claim 62, wherein the mycobacterial stress protein is a stress protein of *Mycobacterium leprae, Mycobacterium tuberculosis*, or *Mycobacterium bovis.*

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104. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp100-200.

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105. (Previously presented) The fusion protein of claim 104, wherein the Hsp100-200 is a Grp170.

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106. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp100.

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~~107~~. (Previously presented) The fusion protein of claim 106, wherein the Hsp100 is a mammalian Hsp110, a yeast Hsp104, or a clpA, clpB, clpC, clpX or clpY stress protein.

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~~108~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp90.

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~~109~~. (Previously presented) The fusion protein of claim 108, wherein the Hsp90 is a yeast Hsp83 or Hsc83 or a human Hsp90α, Hsp90β, or Grp94.

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~~110~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is Lon.

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~~111~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp70.

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~~112~~. (Previously presented) The fusion protein of claim 111, wherein the Hsp70 is a mammalian Hsp72 or Hsp73.

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~~113~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp60.

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~~114~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a TF55.

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~~115~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp40.

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~~116~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an FKBP.

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~~117~~. (Previously presented) The fusion protein of claim 116, wherein the FKBP is FKBP12, FKBP13, FKBP25, FKBP59, Fpr1, or Nep1.

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~~118~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a cyclophilin.

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~~119~~. (Previously presented) The fusion protein of claim 118, wherein the cyclophilin is cyclophilin A, cyclophilin B, or cyclophilin C.

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~~120~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp20-30.

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~~121~~. (Previously presented) The fusion protein of claim 120, wherein the Hsp20-30 is a Tcp1, TriC, or thermosome.

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~~122~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a ClpP.

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~~123~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a GrpE.

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~~124~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is an Hsp10.

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~~125~~. (Previously presented) The fusion protein of claim 124, wherein the Hsp10 is GroEs or Cpn10.

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~~126~~. (Previously presented) The fusion protein of claim 54, wherein the stress protein is a ubiquitin, calnexin, or protein disulfide isomerase.

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127. (Previously presented) The fusion protein of claim 61, wherein the bacterial stress protein is an Hsp90, Hsp70, Hsp60, Hsp40, or Hsp10.

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128. (Previously presented) The fusion protein of claim 127, wherein the Hsp90 is an HtpG.

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129. (Previously presented) The fusion protein of claim 127, wherein the Hsp70 is a DnaK.

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130. (Previously presented) The fusion protein of claim 127, wherein the Hsp60 is an hsp65 or GroEL.

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131. (Previously presented) The fusion protein of claim 127, wherein the Hsp40 is a DnaJ.

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132. (Previously presented) The fusion protein of claim 127, wherein the Hsp10 is a GroES.

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133. (Previously presented) The fusion protein of claim 54, wherein the antigen of the influenza virus is neuraminidase.

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134. (Previously presented) The fusion protein of claim 54, wherein the antigen of the influenza virus is M1 or M2.

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135. (Previously presented) The fusion protein of claim 54, wherein the antigen of the influenza virus is PB1, PB2, or PA.